

What is claimed is:

1. A method for the screening of an extract of plant for biologically active ingredients, comprising fractionating a crude extract of plant on a solid support, adding a labeled target capable of binding to biologically active ingredients of interest in the crude extract onto the support, and then detecting and recovering the biologically active ingredients.
2. The method of claim 1, wherein the plant is a herb.
3. The method of claim 2, wherein the herb is *Carthamus tinctorius L.*
4. The method of claim 1, wherein the target is a protein.
5. The method of claim 4, wherein the protein is a glycoprotein.
6. The method of claim 5, wherein the glycoprotein is platelet membrane receptor protein gpIIb/IIIa.
7. The method of any one of claims 1 to 6, wherein one of the biologically active ingredients is a small molecule with molecular weight of 268 gm/mole.
8. The method of claim 7, wherein the small molecule is self-polymerizable.
9. The method of claim 7, wherein the small molecule exhibits an inhibition activity in platelet aggregation.
10. The method of claim 7, wherein the small molecule exhibits an *in vivo* antithrombic activity.
11. A kit for the screening of an extract of plant for biologically active ingredients, comprising a solid support and gridded components on the solid support that are fractionated from an extract of plant, and the reagents required for probe hybridization, washing and signal-detection for selecting and recovering the biologically active ingredients.
12. The kit of claim 11, wherein the plant is a herb.

13. The kit of claim 12, the herb is *Carthamus tinctorius* L.

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